ABSTRACT

A telecommunication router (TLK, RTS) connected to a termination link (TL) and comprising a packet classifier (CL) receiving packets of data from the link and classifying them according to their type and an associated priority, a plurality of queues (P0-P3) storing the packets received from the classifier, and a processor (PROC) handling the packets stored in the queues. Each queue is associated to a predetermined priority and the classifier forwards each packet to the queue corresponding to its priority. The processor retrieves the packets from the queues according to predetermined priority rules. The packets are treated based on the current load of the processor and, owing to the buffering in the queues, the processing power is used as much as possible and a maximum of packets is processed as a function of the available processing power.

The single Fig. is attached.